

Remarks

The specification has been amended to make an editorial change therein.

The indication that claim 2 includes patentable subject matter is acknowledged with thanks. In reliance thereon, claim 2 has been placed in independent form by adding the subject matter of claim 1 thereto (the form of the subject matter of claim 1 having been amended).

Claims 4 and 7-8 were rejected under §112, second paragraph, and have been canceled. Withdrawal of the rejection is respectfully requested.

Claims 1 and 3-8 were rejected as anticipated by APTE 6,177,236. Reconsideration and withdrawal of the rejection are respectfully requested.

These claims include, among other features, melting the scintillating material. The Official Action indicates that APTE discloses melting the scintillating material. However, this is not believed to be correct.

APTE discloses that the scintillation material is deposited by a "physical deposition" technique that includes settling, doctor-blading, in situ chemical processes and other non-vacuum deposition techniques (column 11, lines 5-10). APTE provides the example that the scintillation material in powder form is mixed with a solvent (column 11, lines 11-55). No other

examples are given and there is no indication that the scintillation material is to be melted. Indeed, APTE also describes the pore matrix as being one of plastic, aluminum, and silicon (column 4, lines 46-47). Neither the plastic nor the aluminum is suitable for receiving melted scintillation material (for example, CsI melts at 820°C) and thus it is clear that APTE did not contemplate melting the scintillation material. One of skill in the art would not learn from this reference that the scintillation material is to be melted and thus this feature is missing from APTE. Accordingly, the claims avoid the rejection under §102.

New claims 9-14 have been added. New claim 9 adds the subject matter of claim 2 to device claim 5 and is allowable because it includes the allowable subject matter. New claim 10 defines the inventive method using alternative claim terminology, and includes the step of melting the scintillating material into the plural pores of the silicon pore matrix that is not disclosed in APTE. Claims 11 and 12 separate the allowable subject matter of claim 2 into two dependent claims. Claims 13 and 14 further define the plural pores and replace claim 4 while avoiding the rejection thereof.

Attached in the Appendix is a form PTO-1449 listing the references cited in the Search Report. An indication that these references have been considered and will be listed on the

resulting patent is respectfully requested. Copies of the listed references are believed to have been provided to the Patent Office by the International Bureau.

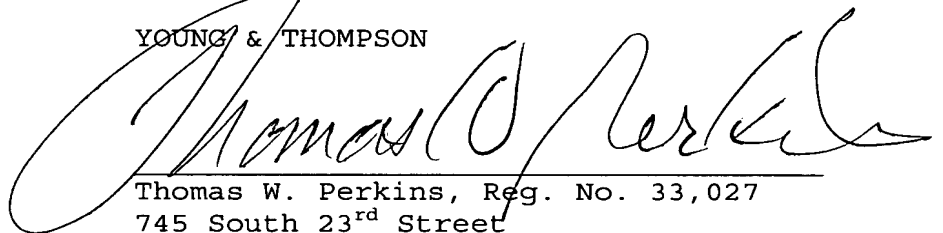
In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

Please charge the fee of \$43 for the one extra independent claim added herewith to Deposit Account No. 25-0120.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. §1.16 or under 37 C.F.R. §1.17.

Respectfully submitted,

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A large, stylized handwritten signature in black ink, appearing to read 'Thomas W. Perkins', is written over the printed name and address.

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Appendix:

The Appendix includes the following item:

- a form PTO-1449